

What is claimed is:

1. A housing for an exhaust gas catalyst in motor vehicles with an internal combustion engine, the housing comprising:

a first seamless housing part deep-drawn of sheet metal;

the first seamless housing part comprising at least one inlet cone, at least one first pipe connector, and at least one first cylindrical housing mantle;

a second seamless housing part deep-drawn of sheet metal;

the second seamless housing part comprising at least one outlet cone, at least one second pipe connector, and at least one second cylindrical housing mantle;

the first and second housing mantles connected to one another by a gas-tight peripheral connecting seam.

2. The housing according to claim 1, wherein the first housing part has a cross-section outside of the area of the connecting seam that is different from a cross-section of the second housing part outside of the area of the connecting seam.

3. The housing according to claim 1, wherein at least one of the first and second housing parts has a stepped cylindrical cross-section.

4. The housing according to claim 1, wherein the inlet cones has several of the first pipe connectors.

5. The housing according to claim 1, wherein at least one of the first and second pipe connectors has an axis positioned at an angle to an axis of the first or second housing mantle, respectively.

6. The housing according to claim 1, wherein the first and second pipe connectors have any type of cross-section.

7. The housing according to claim 1, wherein the inlet cone and the outlet cone do not have radial symmetry.

8. The housing according to claim 1, wherein at least one of the inlet cone and the outlet cone has a formed part configured to deflect an exhaust gas flow.

9. The housing according to claim 1, comprising at least one sensor connecting socket formed in one of the first and second housing parts in the area of the connecting seam.

10. The housing according to claim 1, comprising an intermediate member inserted between the first and second housing parts.

11. The housing according to claim 1, comprising an outer housing comprised of at least two deep-drawn outer housing parts and enclosing the first and second housing parts, wherein the at least two outer housing parts are connected by a peripheral outer connecting seam.

12. The housing according to claim 1, wherein the sheet metal is stainless steel.

13. The housing according to claim 1, wherein the sheet metal is Inconel®.